

Bureau of Environmental Health
 8930 Stanford Boulevard, Columbia, MD 21045
 Main: 410-313-2640 | Fax: 410-313-2648
 TDD 410-313-2323 | Toll Free 1-866-313-6300
www.hchealth.org
 Facebook: www.facebook.com/hocohealth

Maura J. Rossman, M.D., Health Officer

RECEIPT DATE: 12/7/18 **ONSITE SEWAGE DISPOSAL SYSTEM**

P 564093

APPROVAL DATE: 2/4/19 SEC **PERMIT: CONSTRUCTION**

A _____

PROPERTY ADDRESS: 2038 Terrapin Creek Road

SUBDIVISION: Terrapin Creek LOT: 16 TAX ID: _____

CONTRACTOR: WTC Contractors EMAIL: _____

CONTRACTOR ADDRESS: 3033 Salem Bottom Road, Westminster, MD 21157 PHONE: 410-458-7024

PROPERTY OWNER: LDG Inc. EMAIL: _____

OWNER ADDRESS: 8601 Georgia Avenue, Silver Spring, MD 20110 PHONE: 301-585-7000

SEPTIC TANK SIZE (GALLONS): 1500 TANK MANUFACTURER: _____

PUMP MODEL: _____ PUMP SIZE _____ PUMP TANK CAPACITY: _____

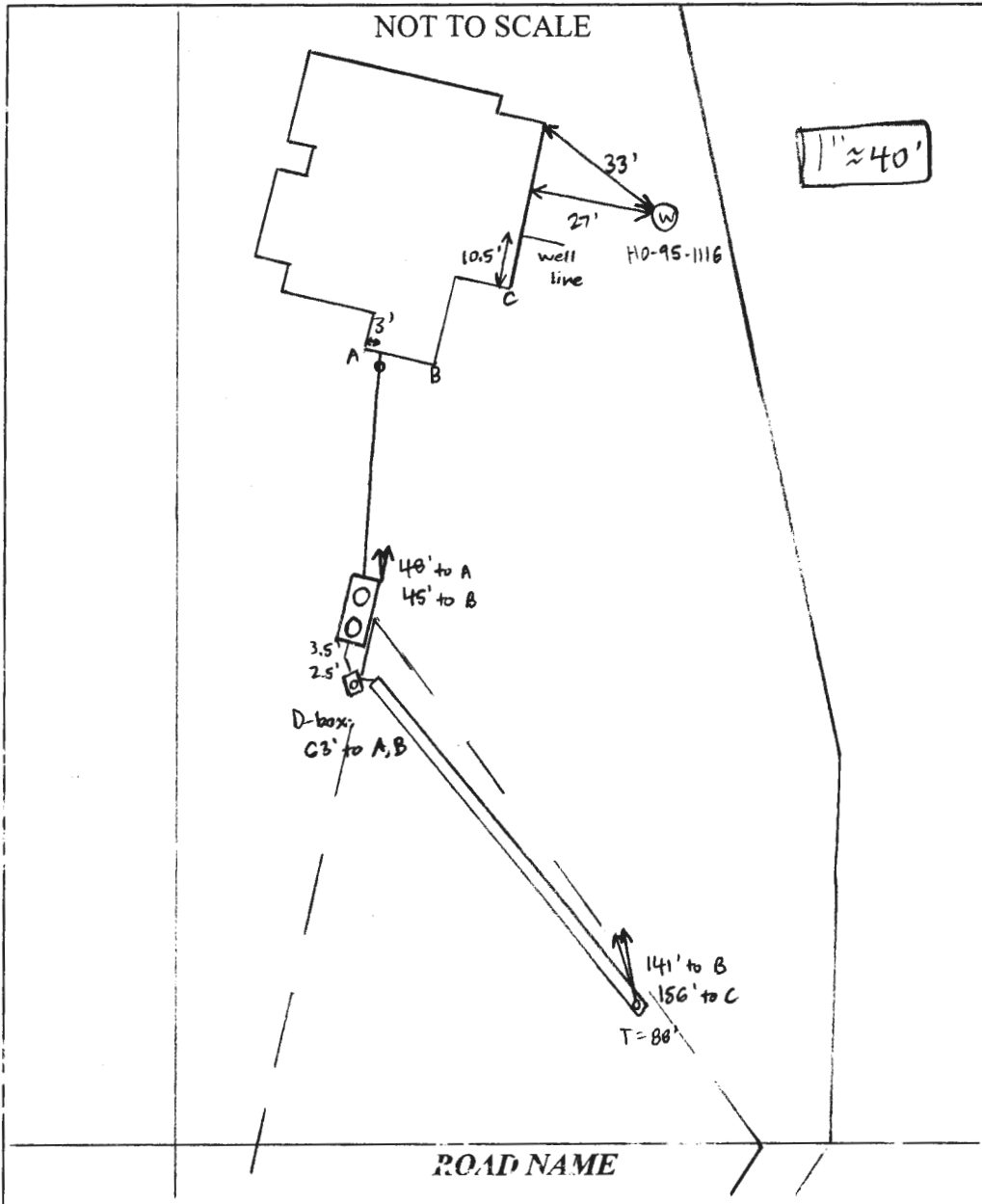
DISTRIBUTION SYSTEM: GRAVITY PRESSURE DOSED BEDROOMS: 5 APPLICATION RATE: 1.2

TRENCHES:	LINEAR FEET REQUIRED: <u>87</u>	INLET DEPTH: <u>3</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>7</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>3</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:		

ISSUED BY: Hank Oswald ISSUE DATE: 12/7/18 EXPIRATION DATE: 12/7/19

- NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION
- NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING
- NOTE: STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW.
- NOTE: WATERTIGHT TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE AT LEAST 100 FEET DOWNGRADIENT FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS
- NOTE: AN ELECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONENTS OF THE SYSTEM
 ELECTRICAL PERMIT ISSUED E N/A
- NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA

**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.
 PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.
 CALL 410-313-1771 TO SCHEDULE INSPECTIONS.**



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	3'	7'
NUMBER OF TRENCHES	1	
TOTAL LENGTH	88'	
ABSORPTION AREA	264' + SIDEWALK	
DISTRIBUTION BOX LEVEL	YES	
DISTRIBUTION BOX BAFFLE	YES	
DISTRIBUTION BOX PORT	YES	

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	YES
MANUFACTURER	BABYLON
CAPACITY	1500 GAL
SEAM LOC	TOP
TANK LID DEPTH	1'
BAFFLES	YES
BAFFLE FILTER	NO
MANHOLE LOC	FRONT + REAR
6" PORT LOC	NONE
WATER TIGHT TEST	NO
SLOTTED	YES
DATE ON LID	11-9-18
SEPTIC TANK 2 LEVEL	
MANUFACTURER	
CAPACITY GAL	
SEAM LOC	
TANK LID DEPTH	
BAFFLES	
BAFFLE FILTER	
MANHOLE LOC	
6" PORT LOC	
WATER TIGHT TEST	
SLOTTED	
DATE ON LID	

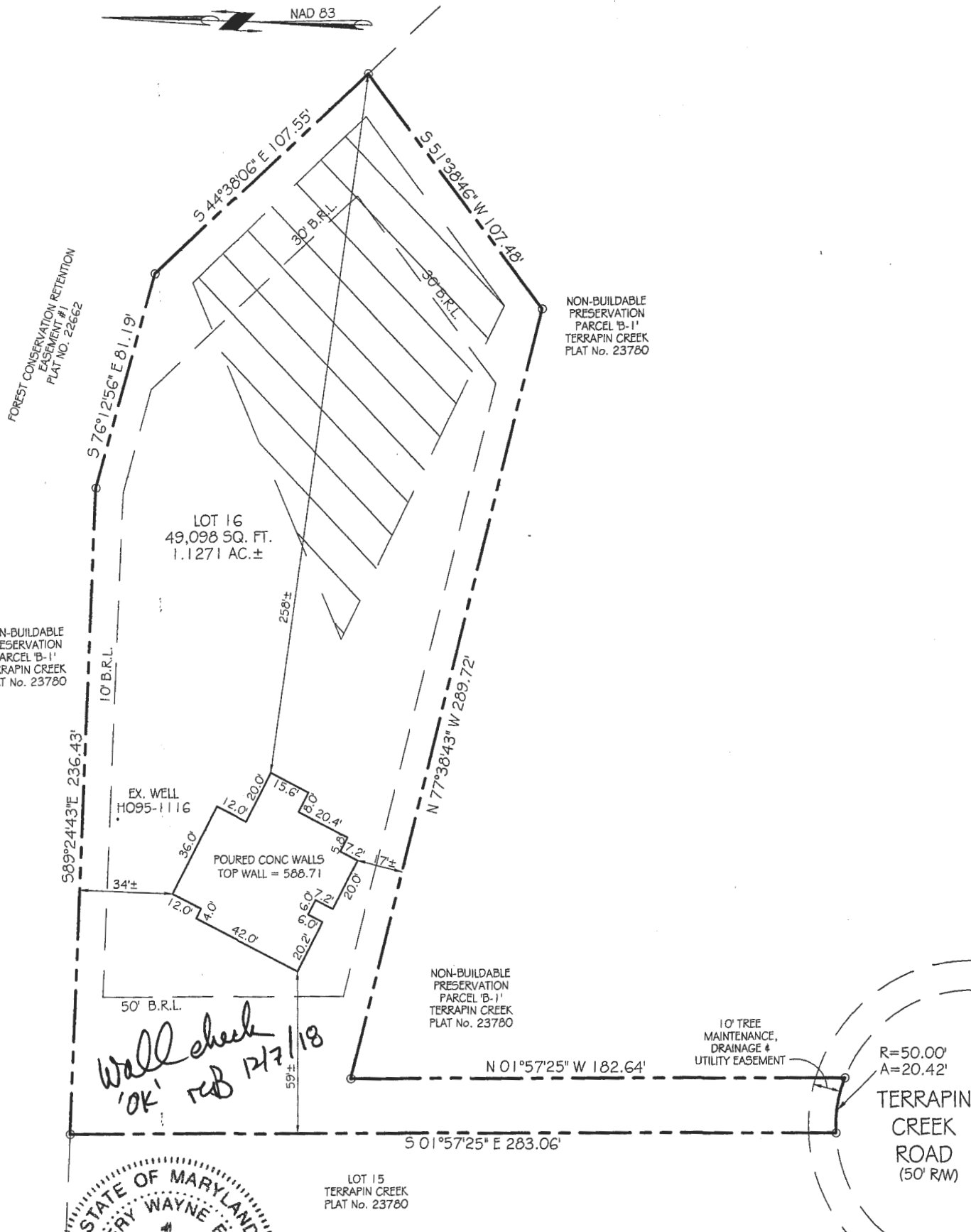
PRE-CONSTRUCTION:

12/31/18 met WTC on site for layout. SDA corner stakes and tank stake present. Sewer line comes out under footer - shot elevations and 2-2.5' depth should make 3' inlet at trenches. 3'+ depth may have deeper inlet. Shot contour and laid out 1 x 87' trench, keeping off perc hole in corner near tank. (SC)

INSTALLATION: 1/8/19 System installed. Line from house to tank covered, D-box left uncovered for inspection. Trench end left open for inspection. Run water inside house and verify house connection at tank. (SC) 2/4/19 Builder ran a hose into c/s at house, flow at tank is good. (SC)

NOTES:

- 1) FOUNDATION AND FOOTINGS ARE IN PLACE AS SHOWN HEREON.
- 2) BUILDING TIES ARE ±0.5' UNLESS OTHERWISE NOTED.
- 3) TOP OF WALL = 588.71



PROFESSIONAL CERTIFICATION:

I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21512, EXPIRATION DATE AUGUST 4, 2019, IN ACCORDANCE WITH COMAR 09.13.06.12.

Jeffery W. Elkins 9/13/2018
 Date
 For VanMar Associates, Inc.
 Jeffery W. Elkins, Prof. Land Surveyor

WALL CHECK DRAWING
 LOT 16
TERRAPIN CREEK

PLAT No. 22662
 2038 TERRAPIN CREEK ROAD
 THIRD ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 SCALE: 1" = 50' SEPTEMBER, 2018

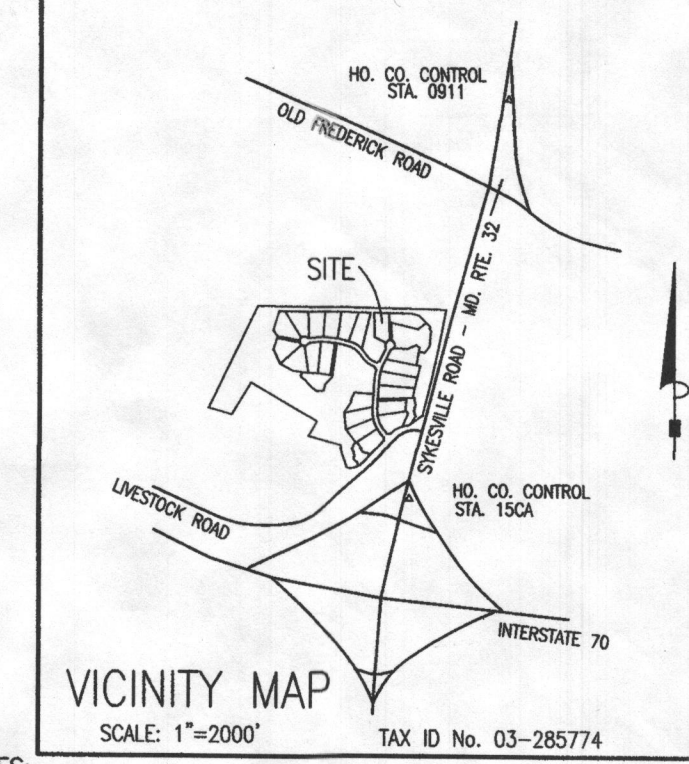
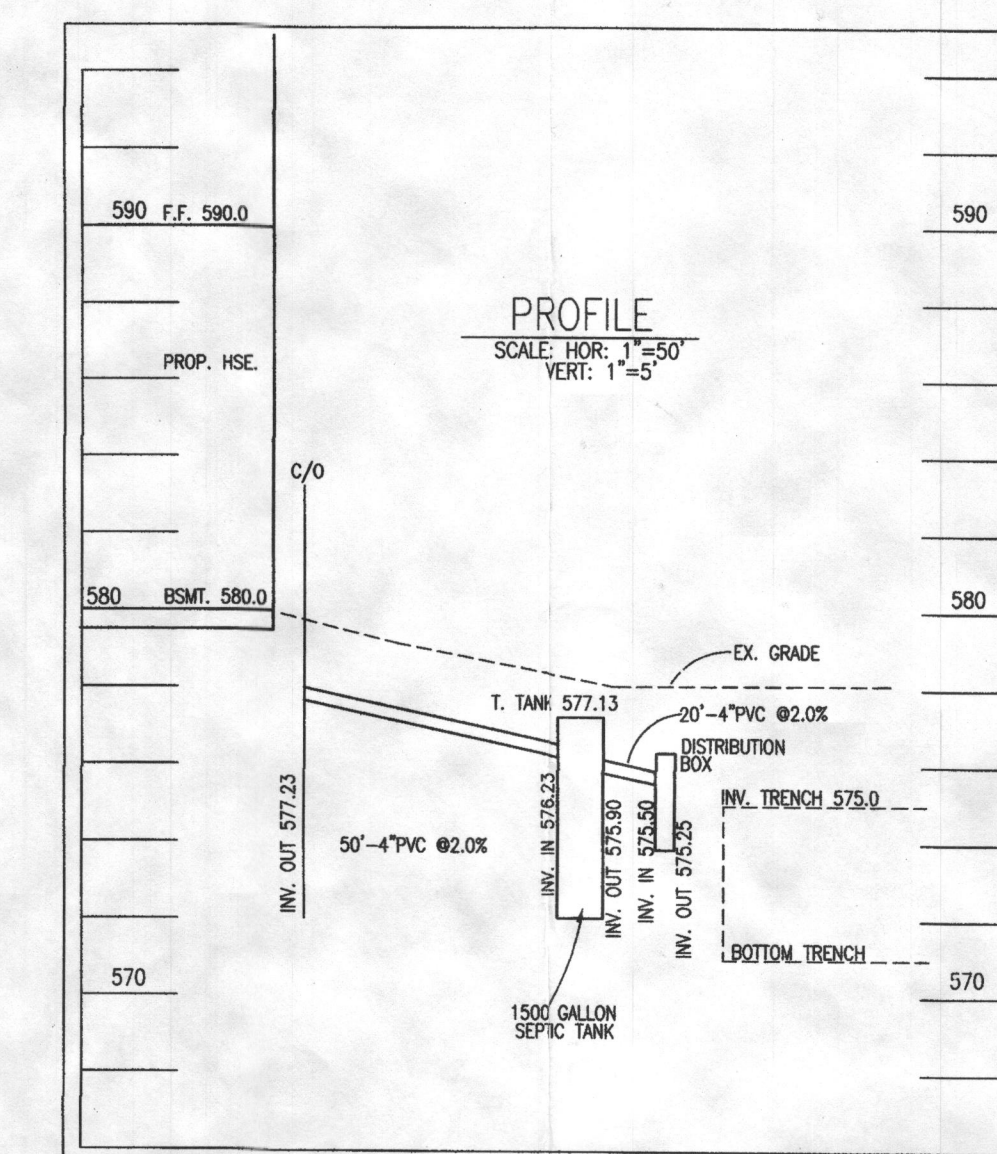
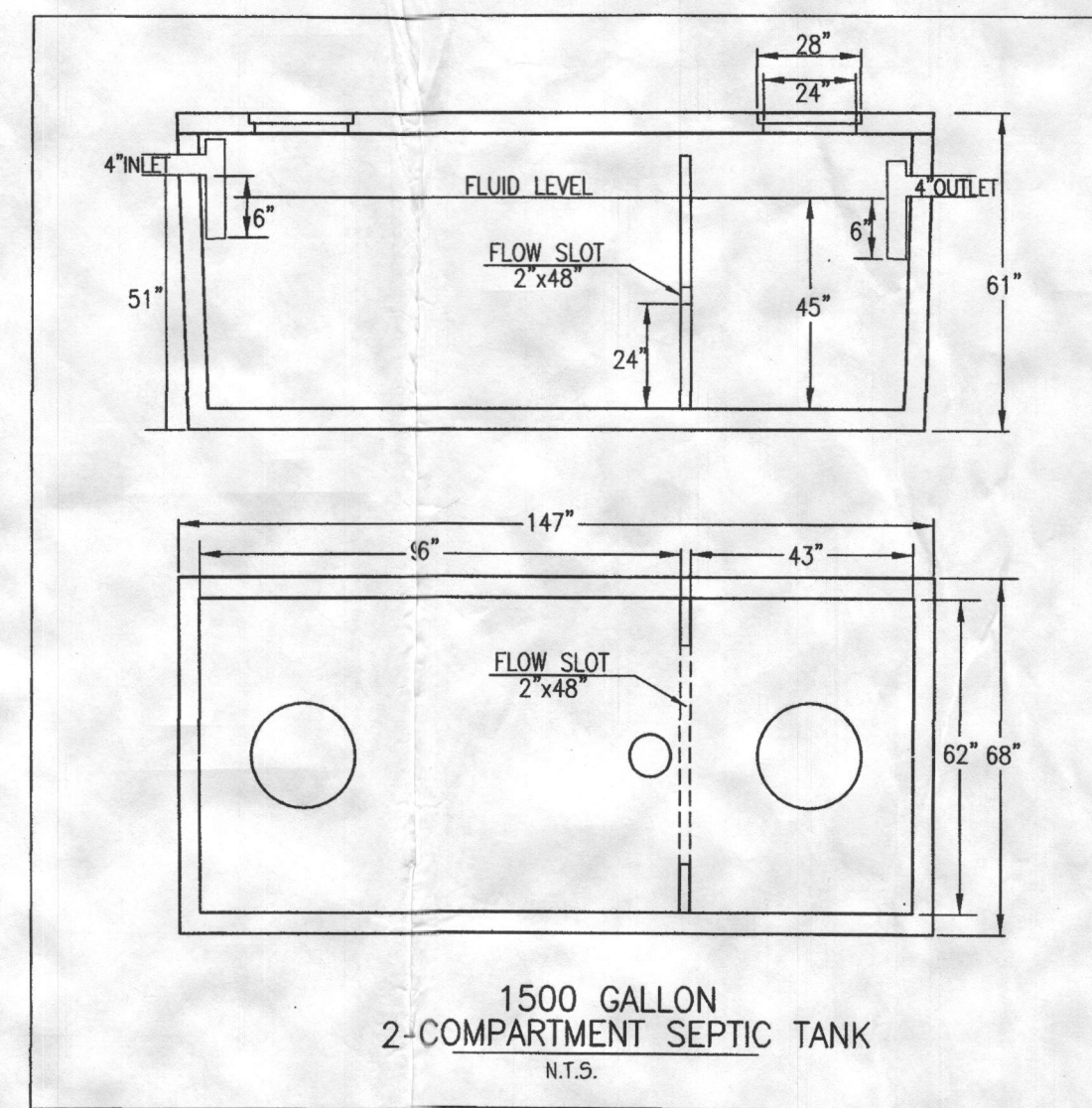
I CERTIFY THIS PLAT TO BE CORRECT; IT IS THE RESULT OF AN ACTUAL FIELD SURVEY, BASED ON DATA FOUND AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND, AS REFERENCED HEREON.



VANMAR ASSOCIATES, INC.
 Engineers Surveyors Planners
 310 South Main Street Mount Airy, Maryland 21771
 (301) 829-2890 (301) 831-5015 (410) 549-2751
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REFERENCE	JOB NO.
PLAT NO. 22662	B4-5428

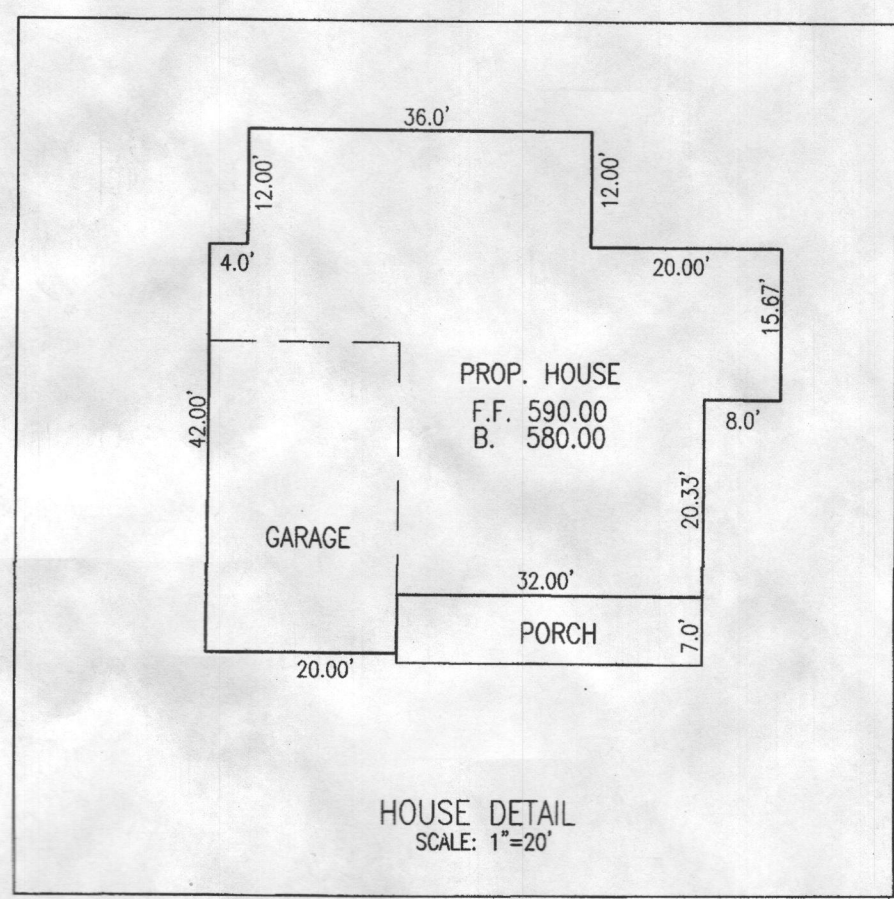
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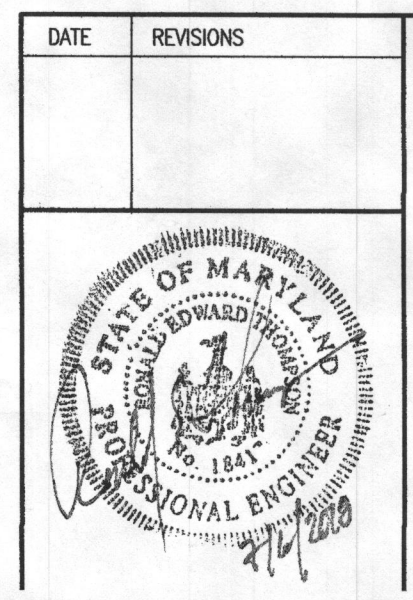
- GENERAL NOTES:
- TOPOGRAPHY & PLANIMETRIC FEATURES SHOWN HEREON TAKEN FROM COPYRIGHTED GIS DATA FROM HOWARD COUNTY, SUPPLEMENTED WITH FIELD LOCATIONS BY VANMAR ASSOCIATES, INC. CONTOUR INTERVAL IS 2 FEET. VERTICAL DATUM IS NAVD83.
 - THE EXISTING WELLS SHOWN ON THIS PLAN HAVE BEEN FIELD LOCATED BY VANMAR ASSOCIATES OR TAKEN FROM AVAILABLE RECORDS AND ACCURATELY SHOWN.
 - ZONING DISTRICT: RC-DE0
 - LIMIT OF DISTURBANCE (LOD) = 18,500 SQ.FT.
 - THERE ARE NO STREAMS, PONDS, FLOODPLAINS OR WETLANDS ON THIS LOT.
 - STORM WATER MANAGEMENT FOR THIS LOT IS PROVIDED BY EXISTING TERRAPIN CREEK STORM WATER MANAGEMENT FACILITIES PROVIDED FOR AND CONSTRUCTED BY THE DEVELOPER UNDER PLAN F-07-086.

- SEPTIC SYSTEM TRENCH DESIGN
- INITIAL NUMBER OF BEDROOMS = 5
 APPLICATION RATE = 1.2 GPD / sq.ft.
 DESIGN FLOW: 150 GPD X 5 BEDROOMS = 750 GPD
 750 GPD / 1.2 GPD/sq.ft. = 625 sq.ft.
 625 sq.ft. / 3 ft. WIDE TRENCH = 208 LF TRENCH
 208 LF TRENCH X 0.42 REDUCTION CREDIT = 87 LF TRENCH
 TRENCH 1 (T1) EX. GRD=578.0 -INV. TRENCH=575.0 -B. TRENCH=571.0
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 208 LF TRENCH X 0.56 REDUCTION CREDIT = 116 LF TRENCH
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- 2nd REPLACEMENT
 APPLICATION RATE = 1.2 GPD / sq.ft.
 DESIGN FLOW: 150 GPD X 5 BEDROOMS = 750 GPD
 750 GPD / 1.2 GPD/sq.ft. = 625 sq.ft.
 625 sq.ft. / 3 ft. WIDE TRENCH = 208 LF TRENCH
 208 LF TRENCH X 0.63 REDUCTION CREDIT = 131 LF TRENCH
 TRENCH 1 (T1) EX. GRD=572.5 -INV. TRENCH=569.0 -B. TRENCH=567.0
 TRENCH 1 (T1) EX. GRD=570.0 -INV. TRENCH=566.5 -B. TRENCH=564.5

- SITE PLAN NOTES:
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 - THE WELL (TAG #HO-95-1116) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.
 - ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELLS AND OR SEPTIC SYSTEMS HAVE BEEN SHOWN.



PROFESSIONAL CERTIFICATION
 I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 18417, Expiration Date: 9-18-19.



OWNER:
 LDG INC.
 LEE PLAZA, SUITE 200
 8601 GEORGIA AVENUE
 SILVER SPRING, MD. 20910
 301-585-7000

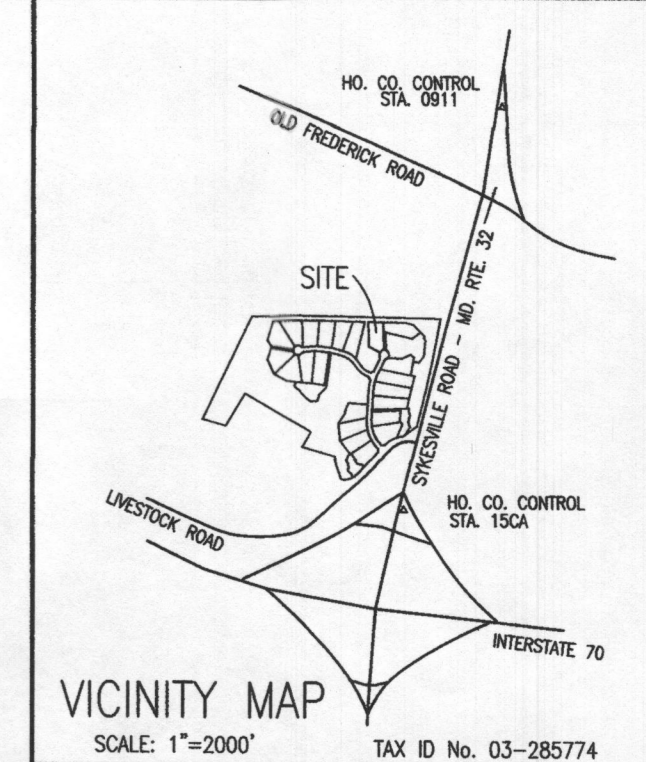
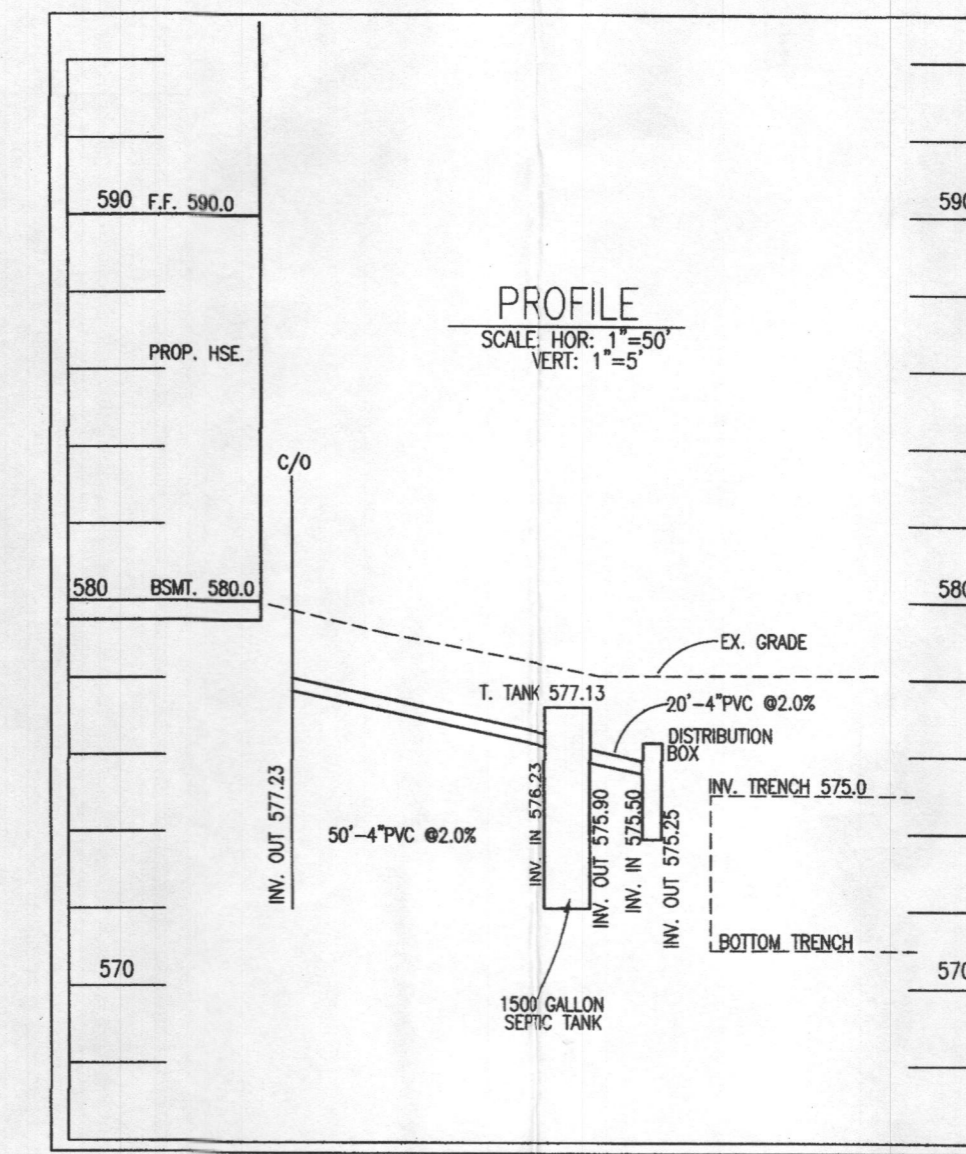
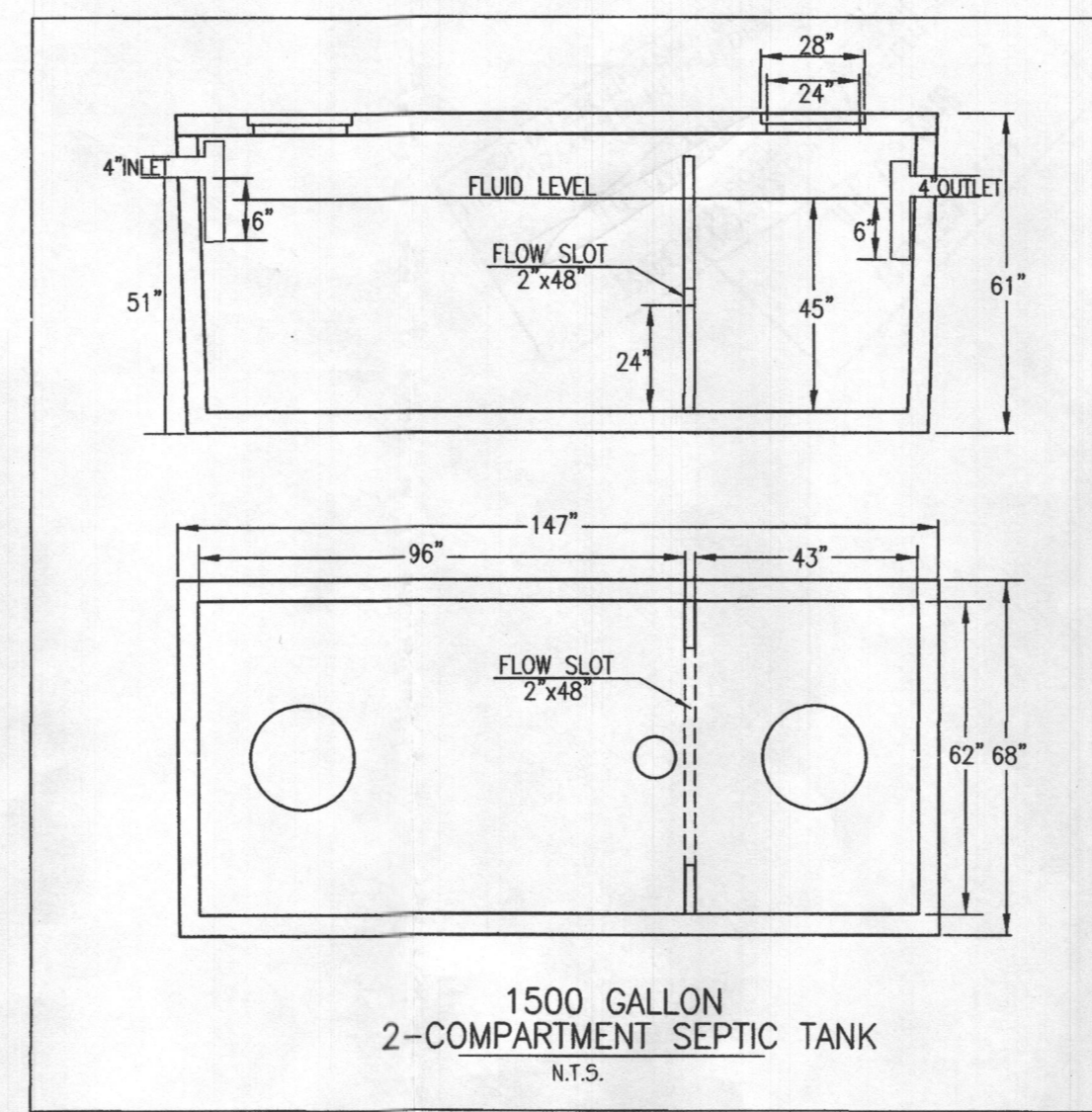
DEVELOPER:
 CATONVILLE HOMES
 11175 STRATFIELD CT
 MARRIOTTVILLE, MD. 21104
 410-442-2211

ON SITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN

LOT 16
TERRAPIN CREEK
 PLAT 22661 - 22664
 TAX ID No. 03-285774
 2038 TERRAPIN CREEK ROAD MILO COURT
 THIRD ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 SCALE: 1" = 30' MAY, 2018

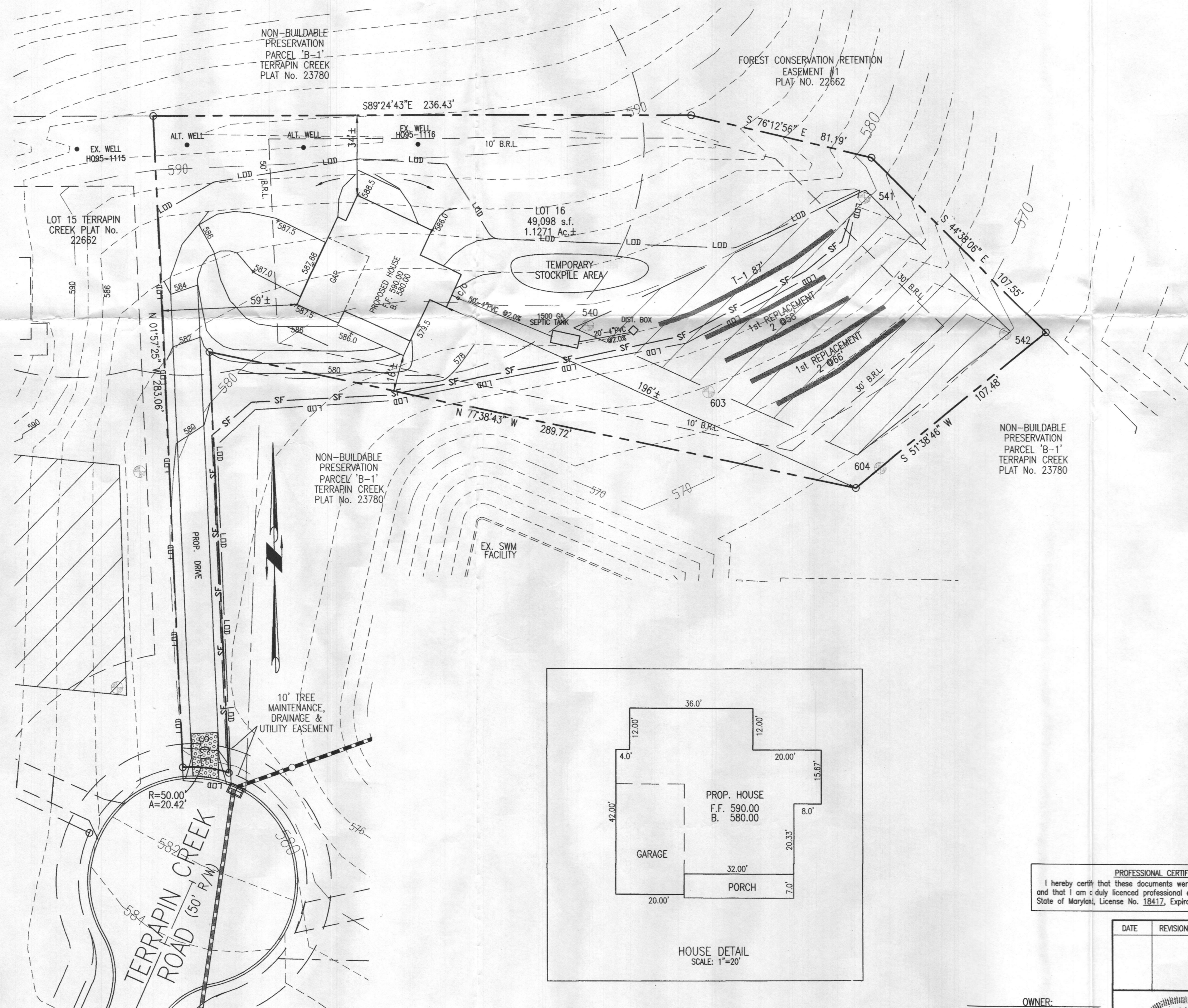
VANMAR ASSOCIATES, INC.
 Engineers Surveyors Planners
 310 South Main Street Mount Airy, Maryland 21771
 (301) 699-2890 (301) 831-5015 (410) 546-2751
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Approved Septic System Plan
 Howard County Health Department
 Blank Oswald 7/10/18
 Signature Date

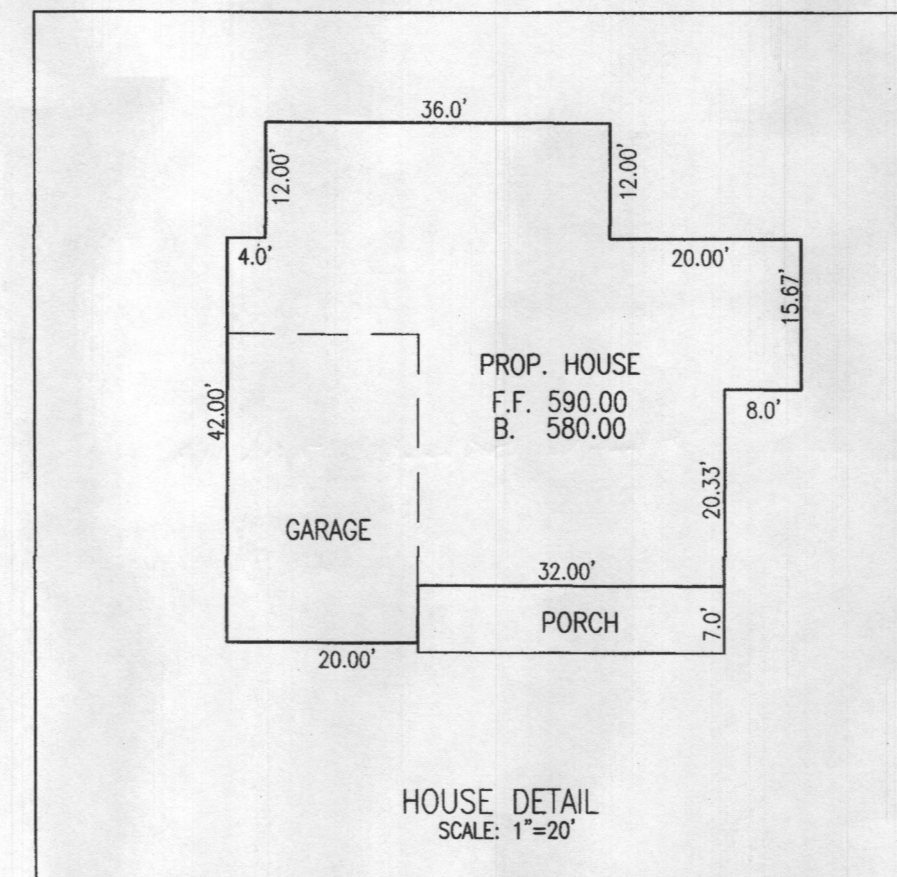


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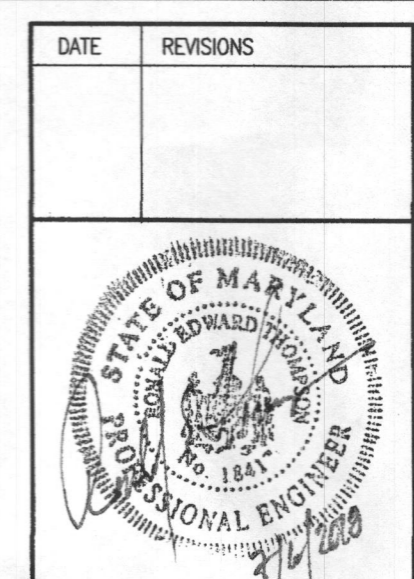
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Approved Septic System Plan
 Howard County Health Department

 Signature Date



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 LDC INC
 LEE PLAZA, SUITE 200
 8601 GEORGIA AVENUE
 SILVER SPRING, MD, 20910
 301-585-7000

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SHEET 1 OF 1

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 ENGINEERS SURVEYORS PLANNERS
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 vanmar.com
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